

## C&DH

## 3A LOSS OF PCS TELEMETRY

### PCS

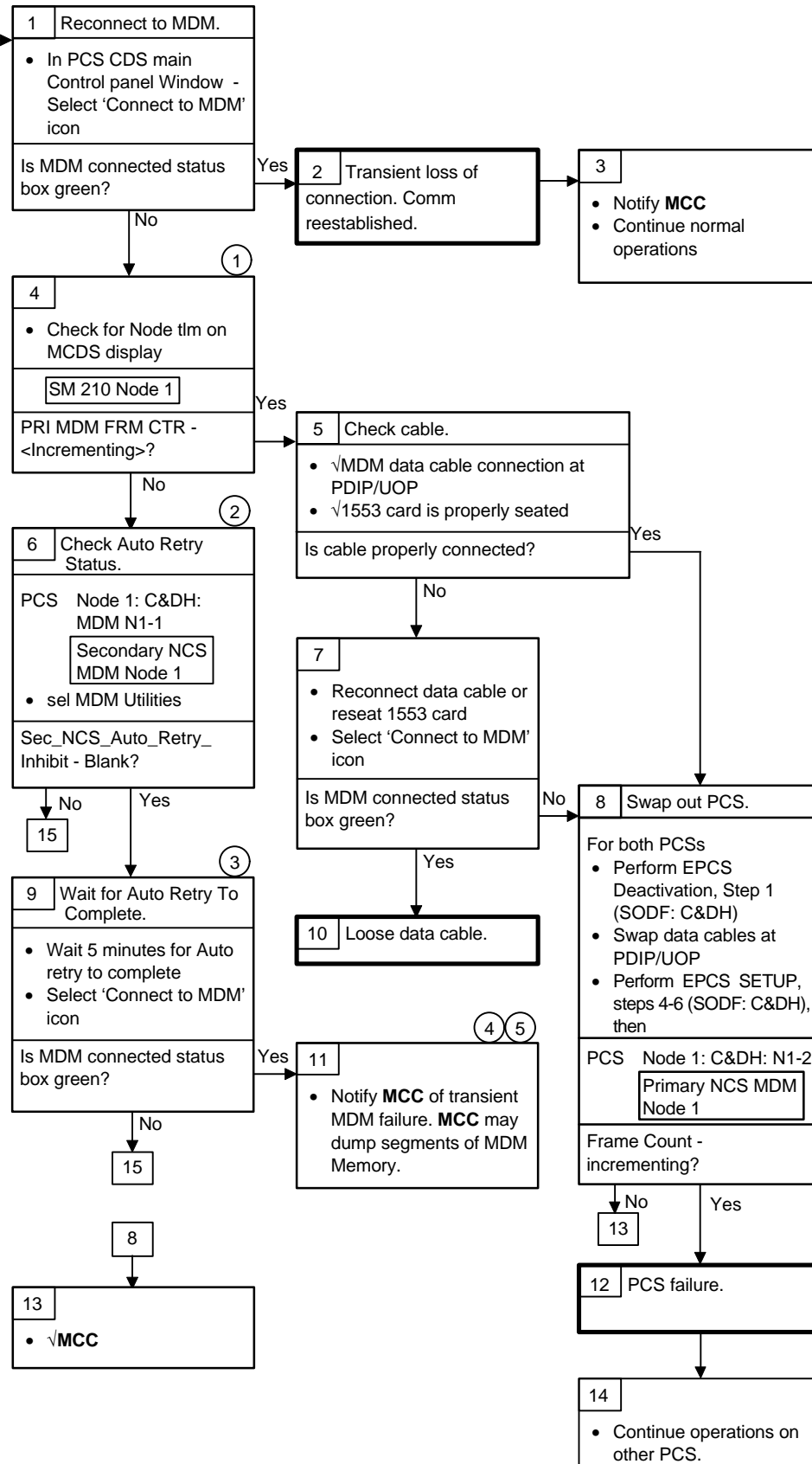
MDM  
Connection  
Failed Message  
Box

User Notification  
Connect Box  
status - Yellow

PCS Node 1:  
C&DH: MDM1-2  
Frame Count -  
not incrementing

### Nominal Config:

MDM N1-2 - Prim  
MDM N1-1 - Sec  
One PCS connected  
to N1-1  
One PCS connected  
to N1-2



①  
Checking MCDS for updating Frame Count verifies Node MDM is outputting telemetry.

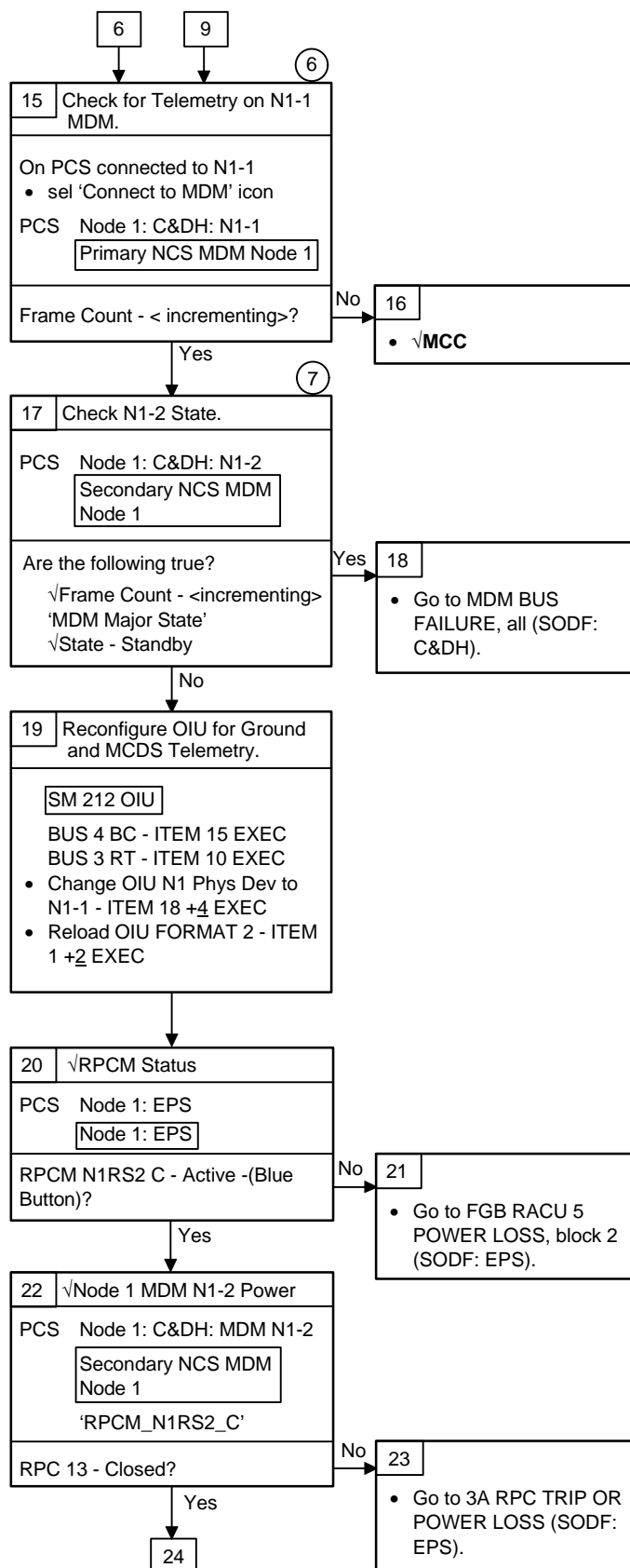
②  
Data will be static. PCS maintains the last valid status of Secondary MDM autoretry status after telemetry is lost.

③  
Auto Retry will power cycle failed MDM and Command it back to Primary.

④  
MCC may dump EEPROM Error log buffer to determine the cause of MDM failure.

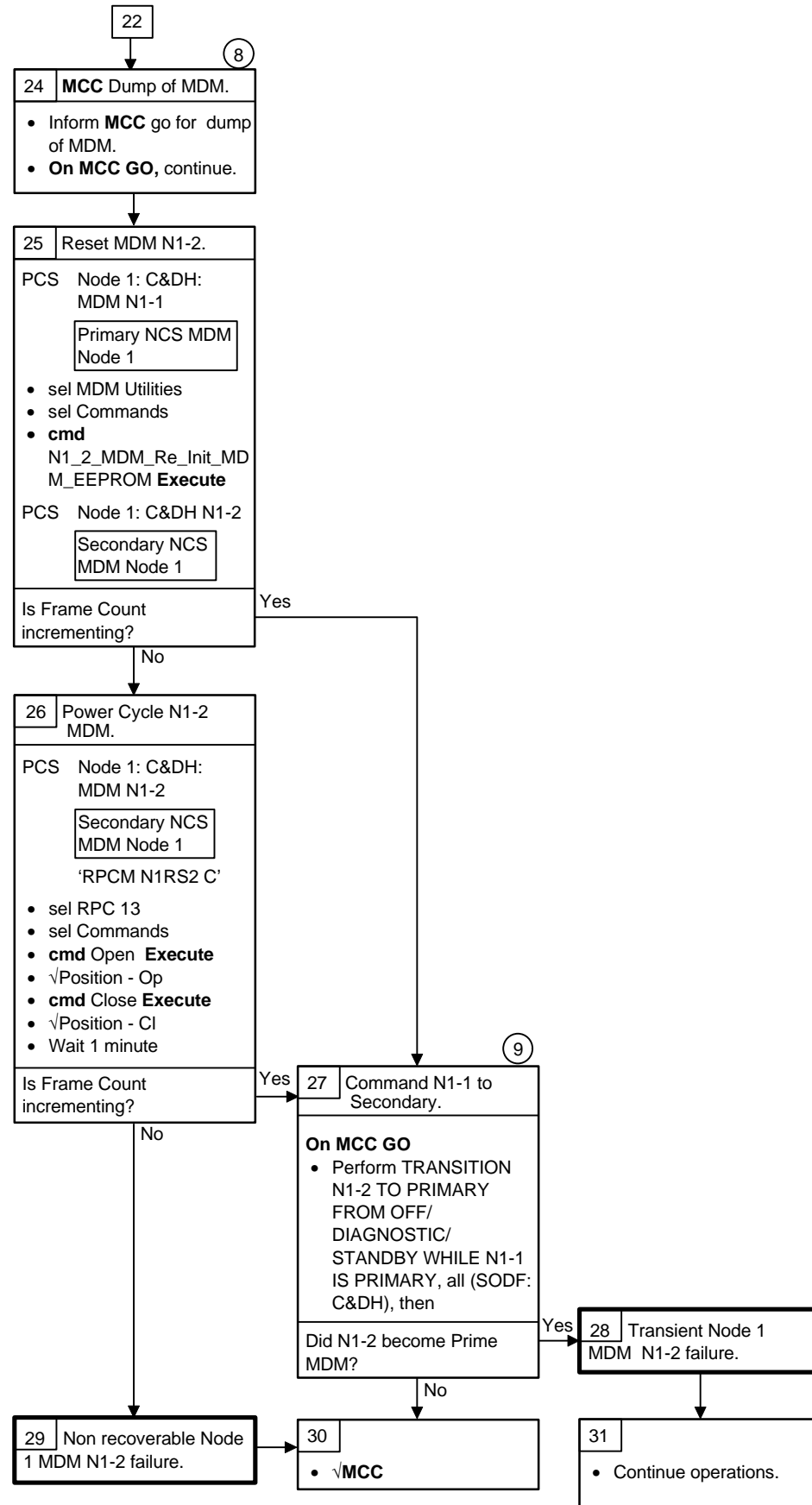
⑤  
MCC will reset Auto Retry Counter.

## 3A LOSS OF PCS TELEMETRY (Cont)



⑥  
If N-2 has failed, N1-1 will automatically take over as primary.

⑦  
If UB Orb N1-2 Bus fails, N-2 will command itself to standby and wait longer than normal allowing N1-1 to become primary MDM.



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**MCC** may dump All or part of MDM memory.

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Commanding N1-1 to Secondary will allow N1-2 to become Prime.